

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113022\
 Data File : VY011635.D
 Acq On : 30 Nov 2022 12:55
 Operator : KP/MD
 Sample : N5789-04
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1RE

Quant Time: Dec 01 05:22:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

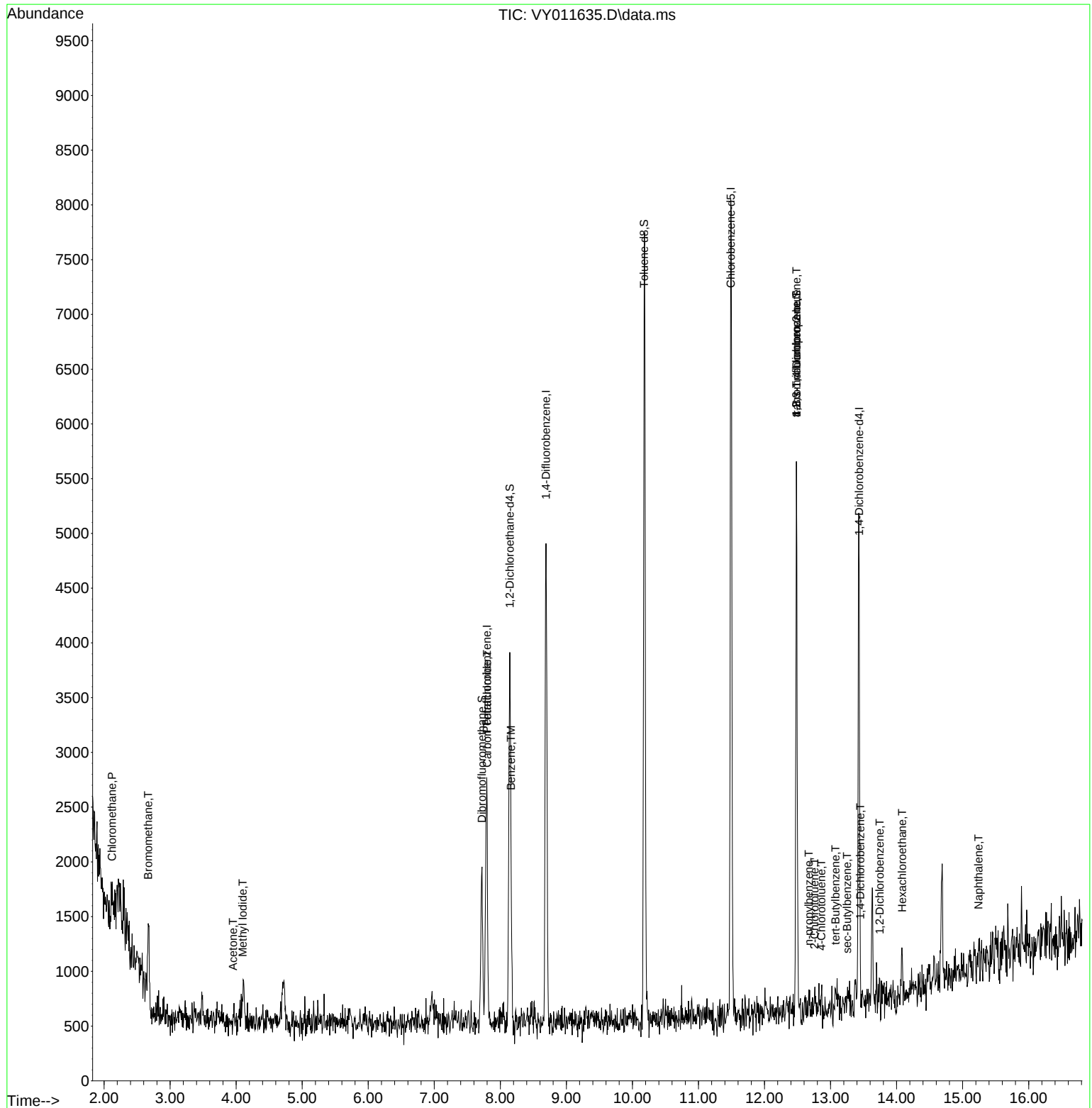
Internal Standards						
1) Pentafluorobenzene	7.795	168	2141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	4534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	4652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	1485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	2852	131.189	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 262.380%#	
35) Dibromofluoromethane	7.722	113	1112	39.841	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 79.680%	
50) Toluene-d8	10.179	98	5517	54.394	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.780%	
62) 4-Bromofluorobenzene	12.483	95	1720	45.866	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.740%	
Target Compounds						Qvalue
3) Chloromethane	2.119	50	182	6.109	ug/l #	44
5) Bromomethane	2.668	94	241	12.603	ug/l	99
10) Methyl Iodide	4.100	142	629	26.284	ug/l #	83
16) Acetone	3.954	43	86	12.179	ug/l #	47
20) Methylene Chloride	4.722	84	268	Below Cal	#	56
38) Carbon Tetrachloride	7.801	117	142	2.909	ug/l #	11
40) Benzene	8.161	78	175	1.377	ug/l #	50
76) 1,2,3-Trichloropropane	12.483	75	855	53.463	ug/l #	100
78) n-propylbenzene	12.672	91	174	1.328	ug/l #	53
79) 2-Chlorotoluene	12.757	91	80	1.083	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.483	75	855	117.101	ug/l #	7
82) 4-Chlorotoluene	12.861	91	124	1.606	ug/l #	41
83) tert-Butylbenzene	13.074	119	103	1.306	ug/l #	73
85) sec-Butylbenzene	13.251	105	140	1.190	ug/l #	56
88) 1,4-Dichlorobenzene	13.452	146	96	1.881	ug/l #	25
90) Hexachloroethane	14.086	117	278	14.020	ug/l #	6
91) 1,2-Dichlorobenzene	13.745	146	122	2.696	ug/l #	60
95) Naphthalene	15.239	128	367	10.434	ug/l #	69

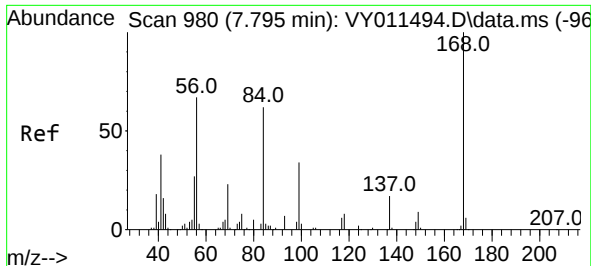
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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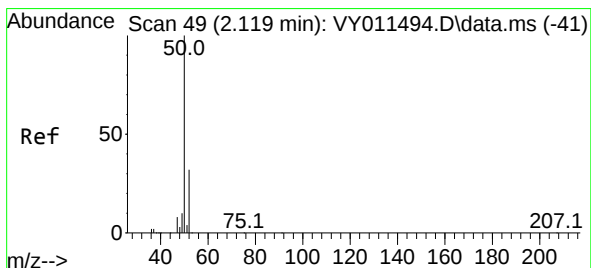
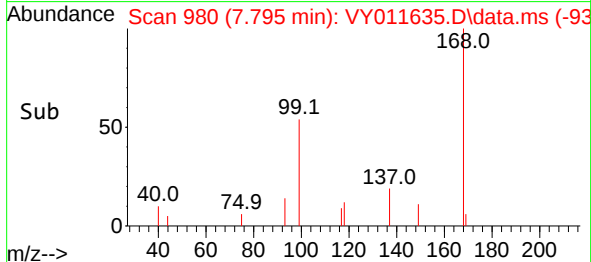
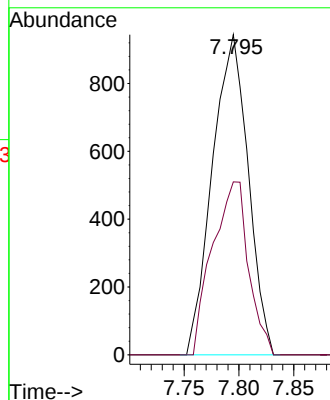
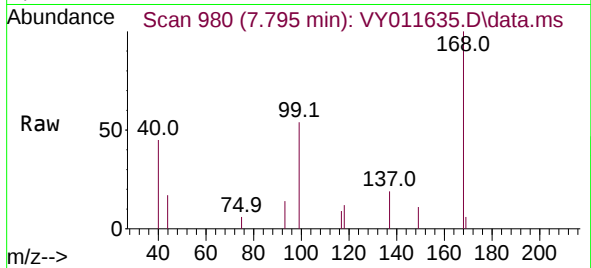




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 99
Delta R.T. -0.000 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

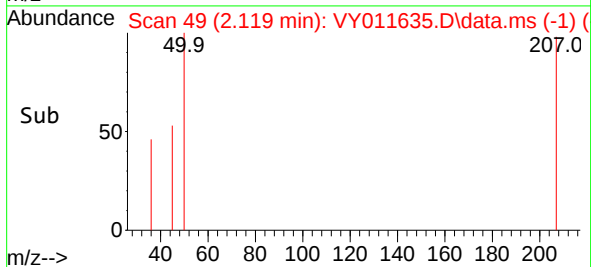
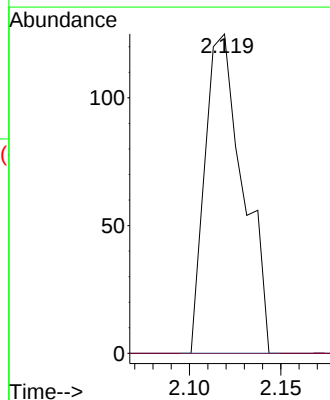
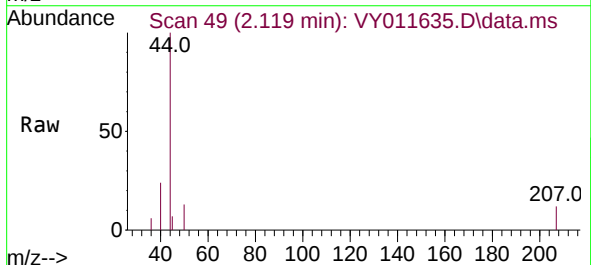
Instrument :
MSVOA_Y
ClientSampleId :
SP-1RE

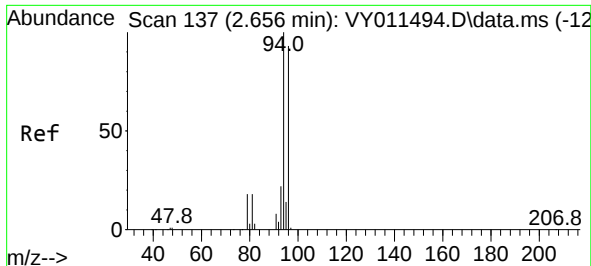
Tgt Ion:168 Resp: 2141
Ion Ratio Lower Upper
168 100
99 54.0 46.9 70.3



#3
Chloromethane
Concen: 6.109 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

Tgt Ion: 50 Resp: 182
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

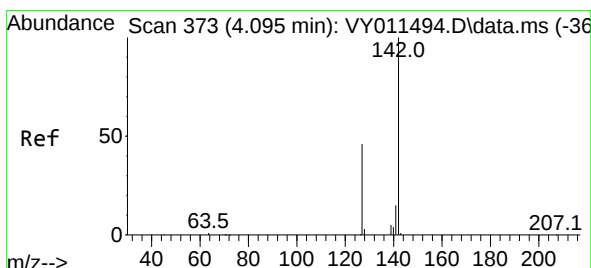
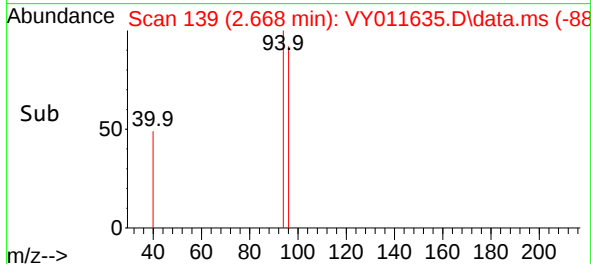
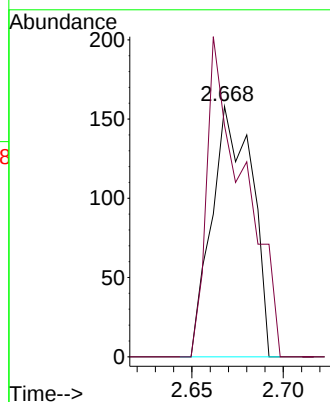
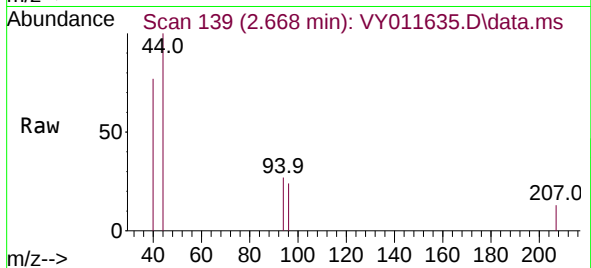




#5
Bromomethane
Concen: 12.603 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

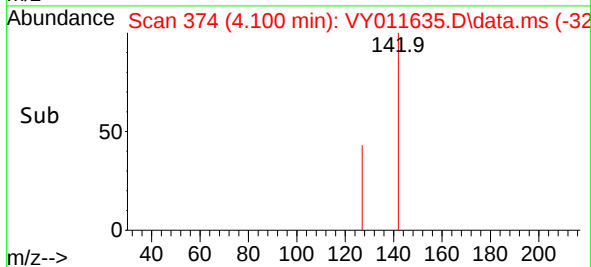
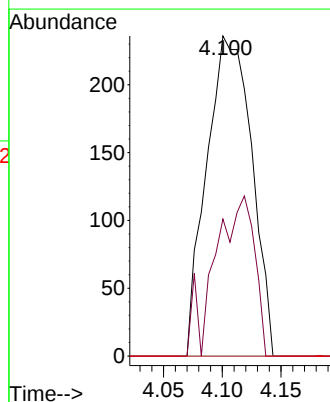
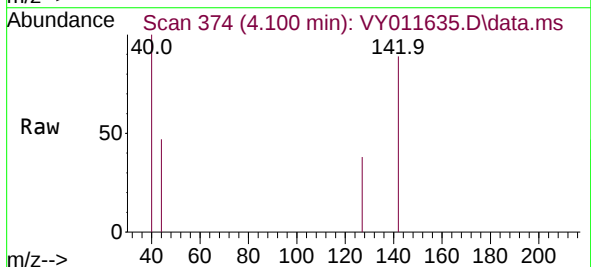
Instrument :
MSVOA_Y
ClientSampleId :
SP-1RE

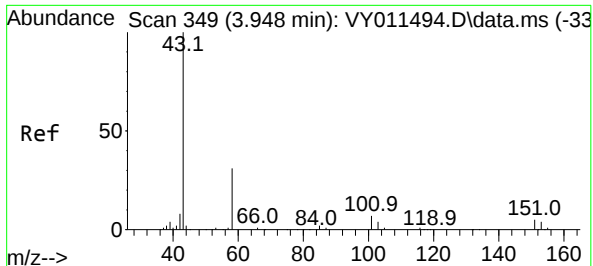
Tgt Ion: 94 Resp: 241
Ion Ratio Lower Upper
94 100
96 92.4 73.5 110.3



#10
Methyl Iodide
Concen: 26.284 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.005 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

Tgt Ion:142 Resp: 629
Ion Ratio Lower Upper
142 100
127 44.0 41.5 62.3
141 0.0 11.9 17.9#

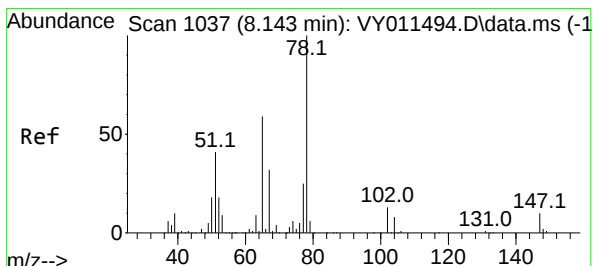
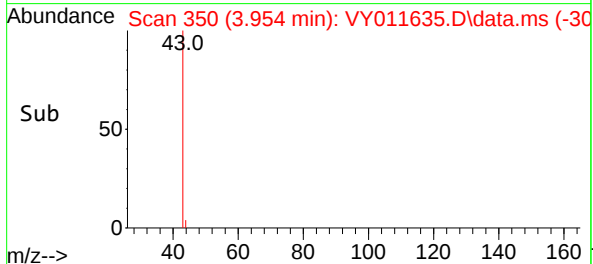
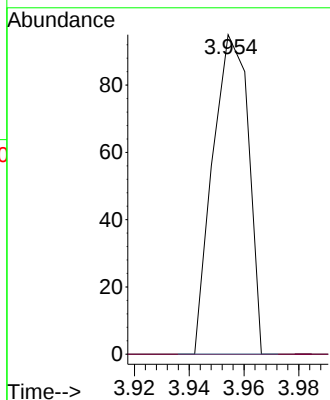
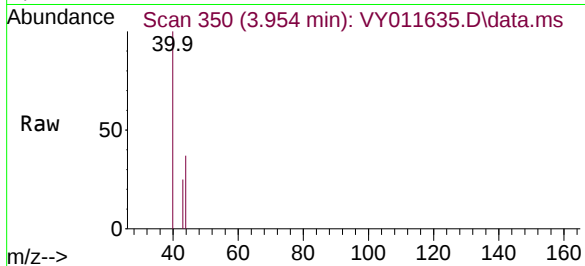




#16
Acetone
Concen: 12.179 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

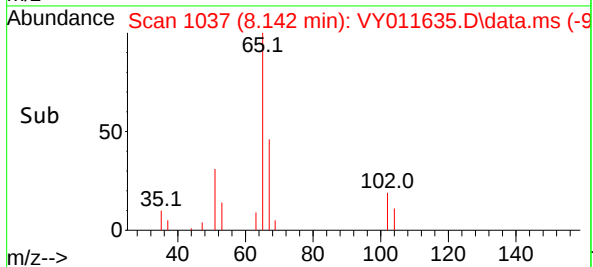
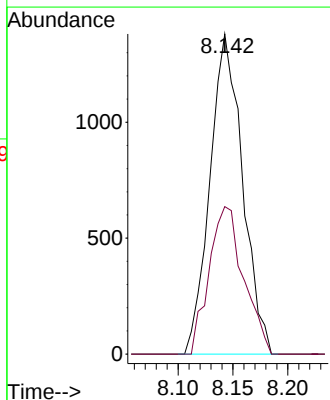
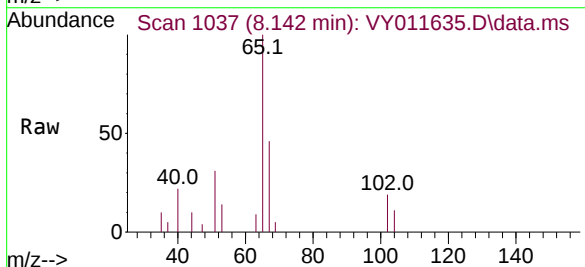
Instrument :
MSVOA_Y
ClientSampleId :
SP-1RE

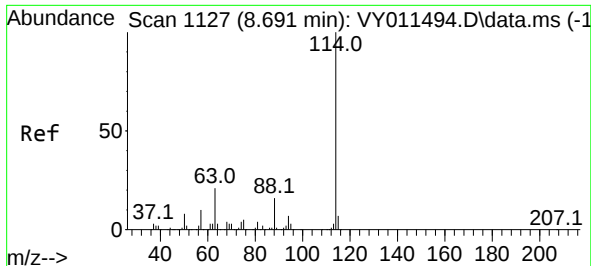
Tgt Ion: 43 Resp: 86
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#33
1,2-Dichloroethane-d4
Concen: 131.189 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

Tgt Ion: 65 Resp: 2852
Ion Ratio Lower Upper
65 100
67 48.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011635.D

Acq: 30 Nov 2022 12:55

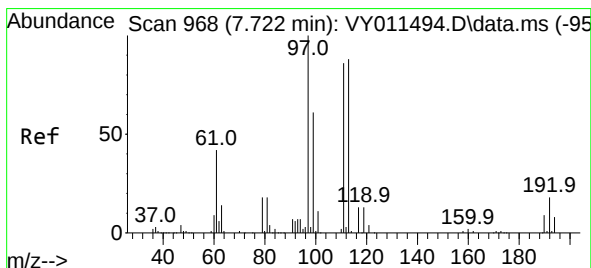
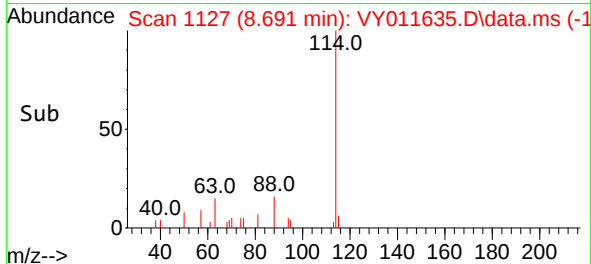
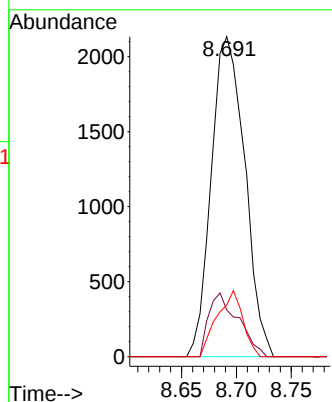
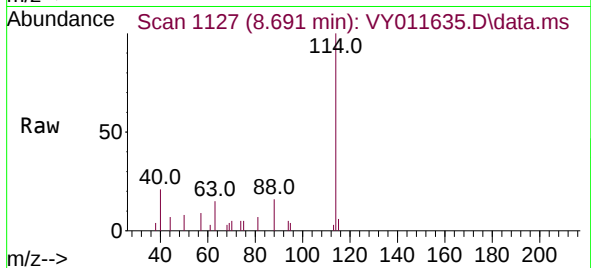
Instrument :

MSVOA_Y

ClientSampleId :

SP-1RE

Tgt Ion:114	Resp:	4534
Ion	Ratio	Lower Upper
114	100	
63	14.6	0.0 43.2
88	16.1	0.0 31.8



#35

Dibromofluoromethane

Concen: 39.841 ug/l

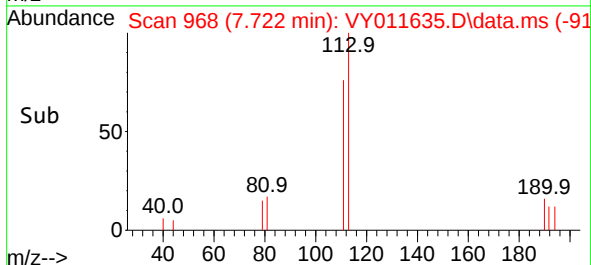
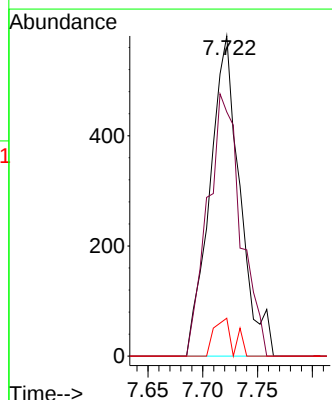
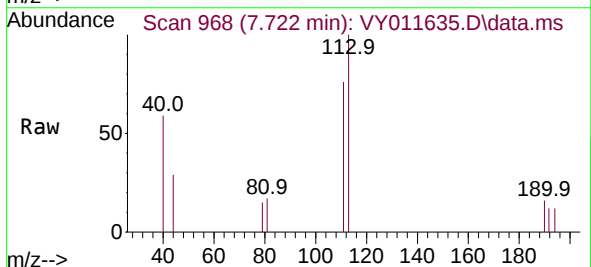
RT: 7.722 min Scan# 968

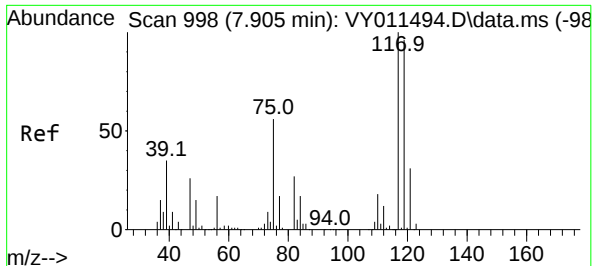
Delta R.T. -0.000 min

Lab File: VY011635.D

Acq: 30 Nov 2022 12:55

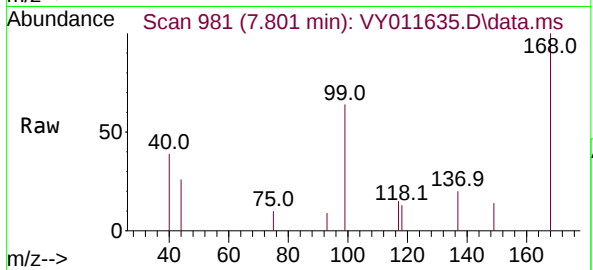
Tgt Ion:113	Resp:	1112
Ion	Ratio	Lower Upper
113	100	
111	89.9	82.6 124.0
192	7.6	17.6 26.4



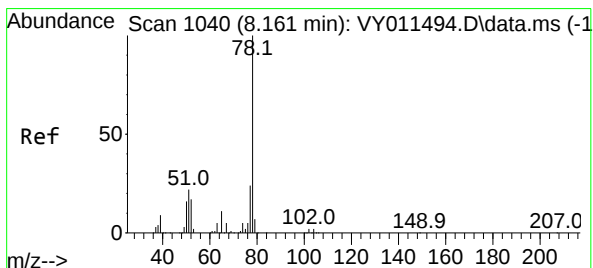
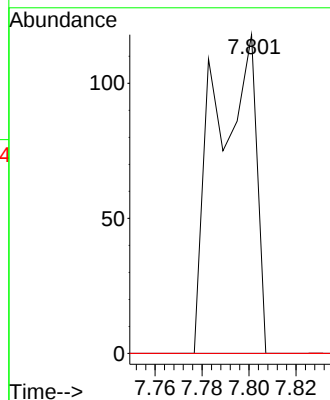
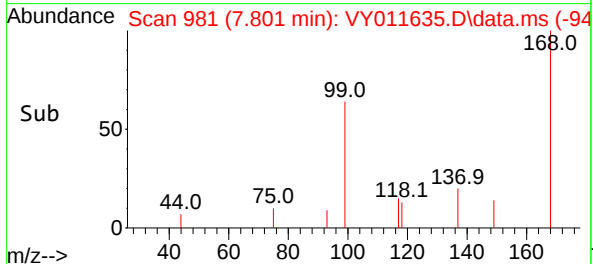


#38
Carbon Tetrachloride
Concen: 2.909 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

Instrument :
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ClientSampleId :
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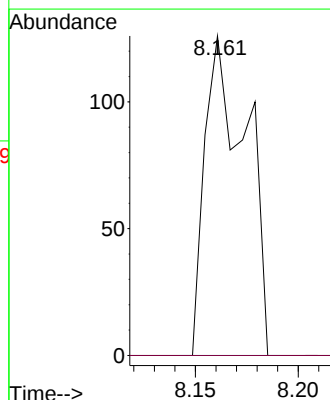
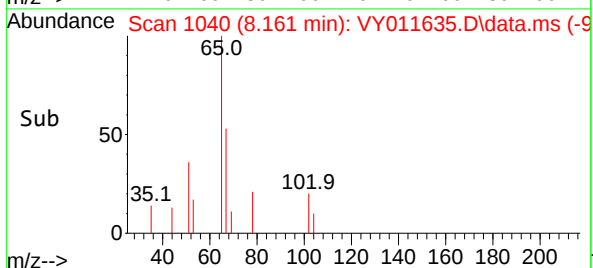
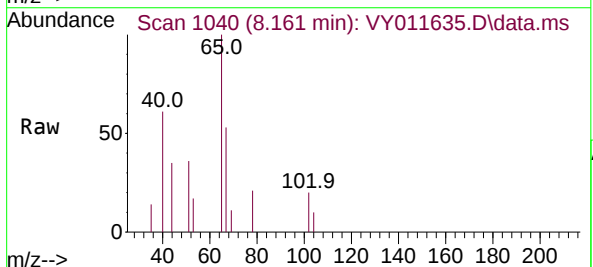


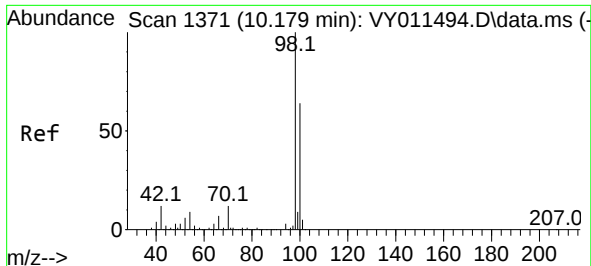
Tgt Ion:117 Resp: 142
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 1.377 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

Tgt Ion: 78 Resp: 175
Ion Ratio Lower Upper
78 100
77 0.0 20.4 30.6#

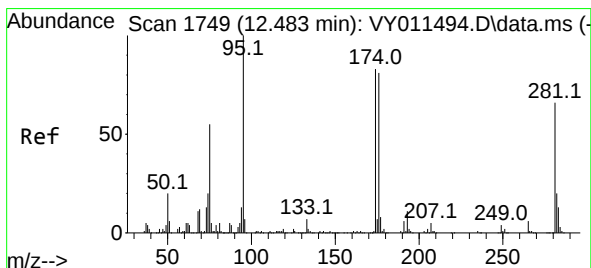
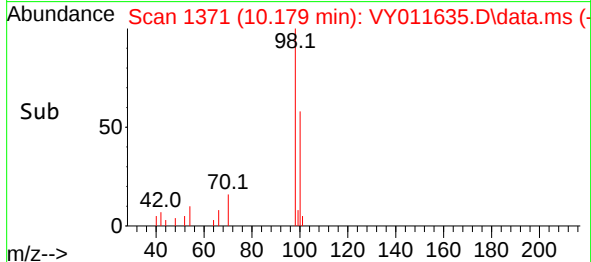
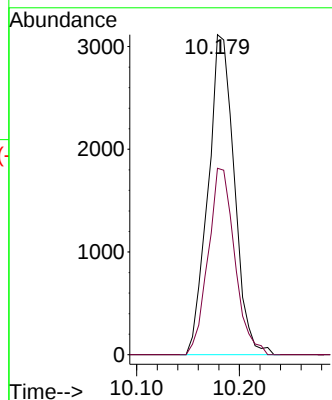
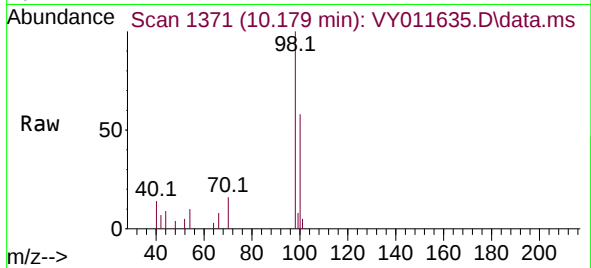




#50
Toluene-d8
Concen: 54.394 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

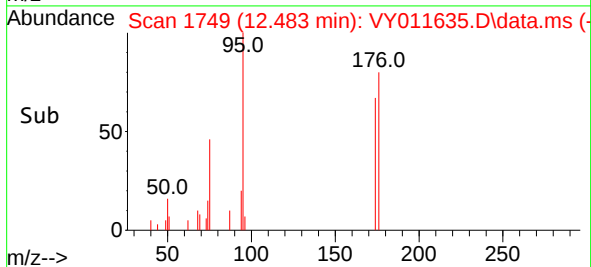
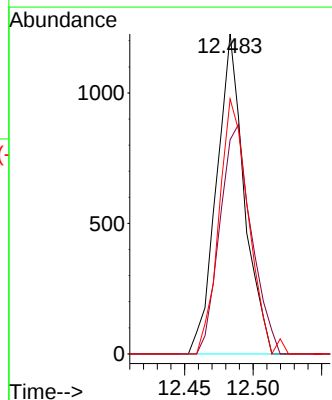
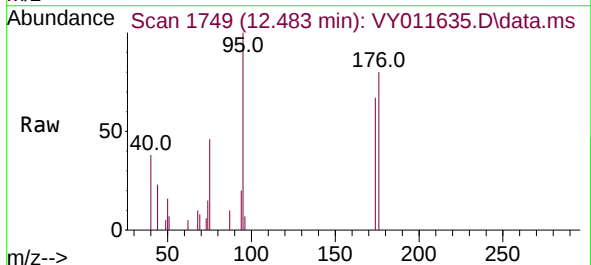
Instrument :
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ClientSampleId :
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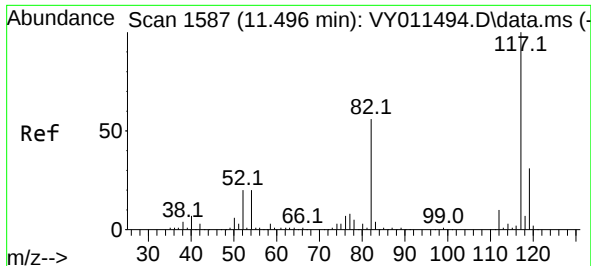
Tgt Ion: 98 Resp: 5517
Ion Ratio Lower Upper
98 100
100 59.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 45.866 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

Tgt Ion: 95 Resp: 1720
Ion Ratio Lower Upper
95 100
174 81.8 0.0 177.0
176 84.8 0.0 175.8

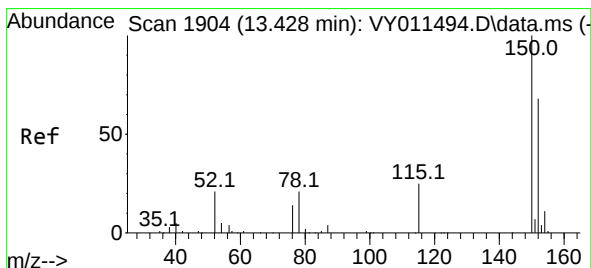
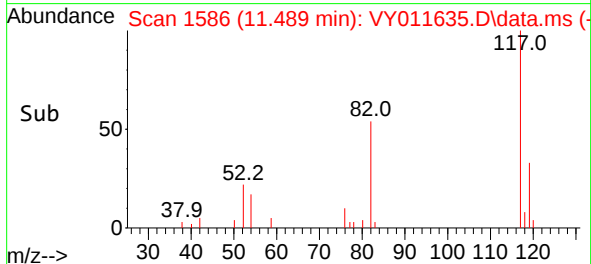
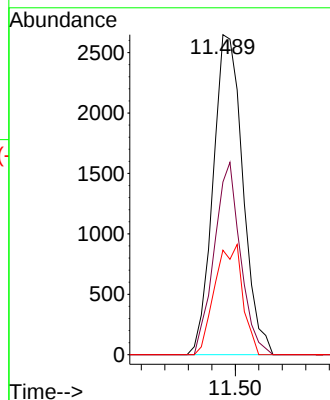
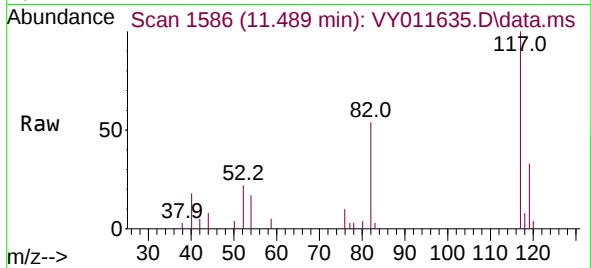




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

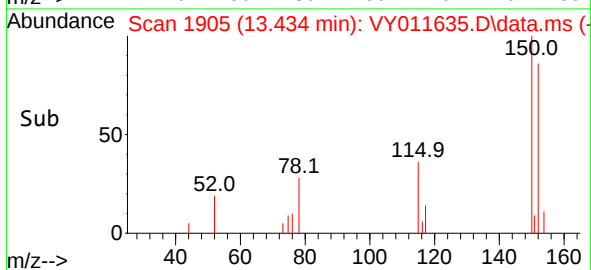
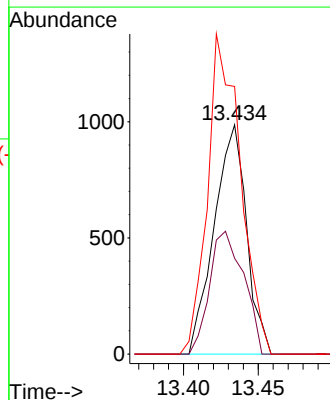
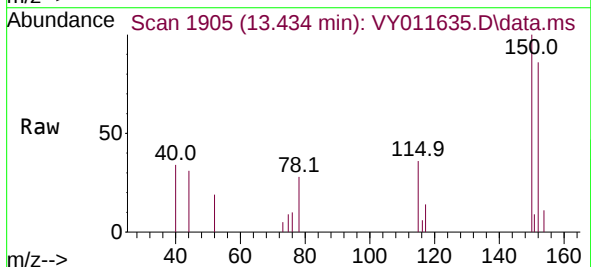
Instrument :
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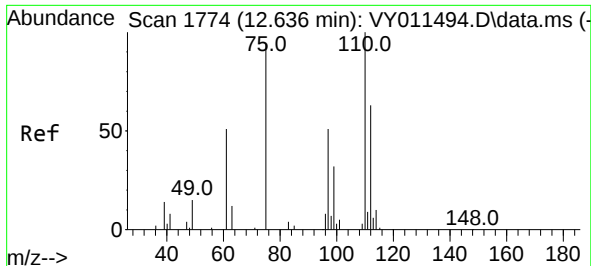
Tgt Ion:117 Resp: 4652
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

Tgt Ion:152 Resp: 1485
Ion Ratio Lower Upper
152 100
115 56.5 28.2 84.7
150 142.0 0.0 347.6

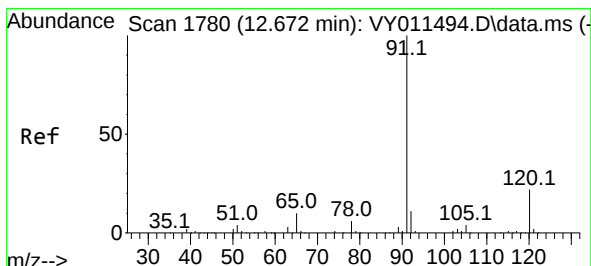
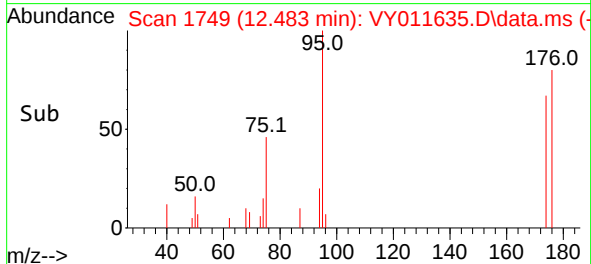
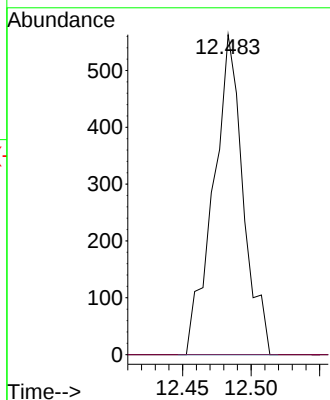
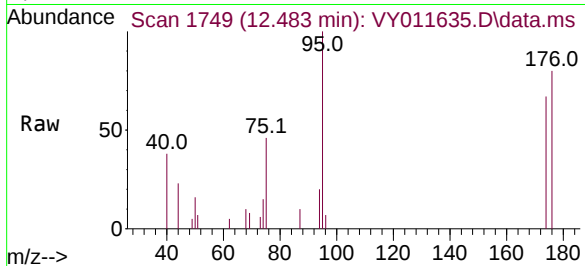




#76
1,2,3-Trichloropropane
Concen: 53.463 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

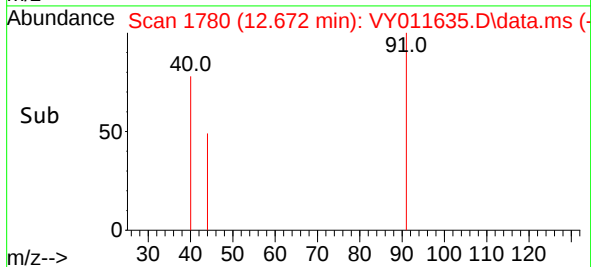
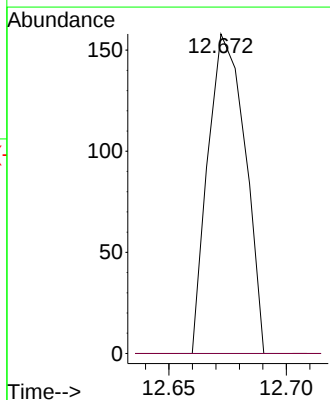
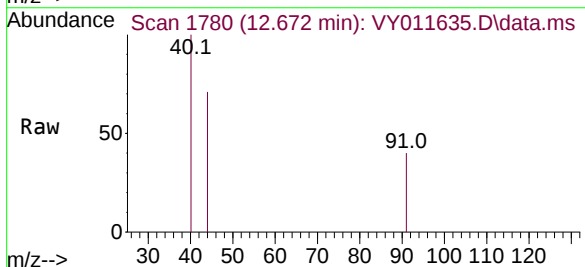
Instrument :
MSVOA_Y
ClientSampleId :
SP-1RE

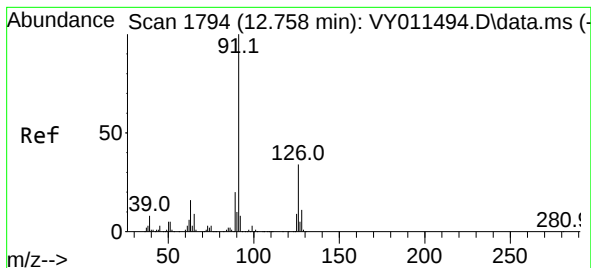
Tgt Ion: 75 Resp: 855
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 1.328 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

Tgt Ion: 91 Resp: 174
Ion Ratio Lower Upper
91 100
120 0.0 11.3 33.9#

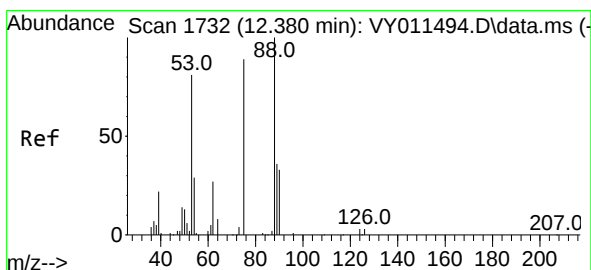
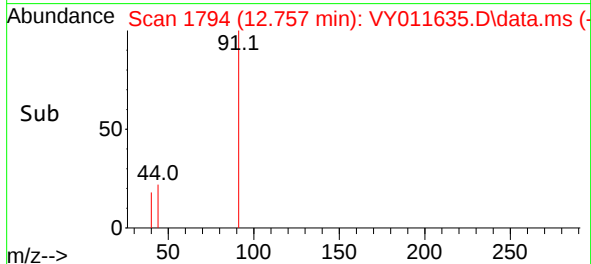
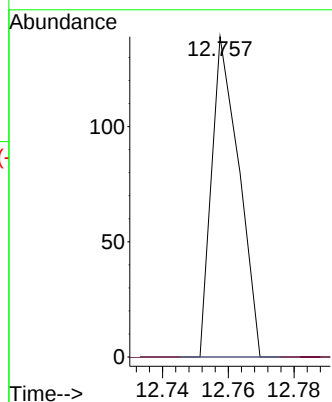
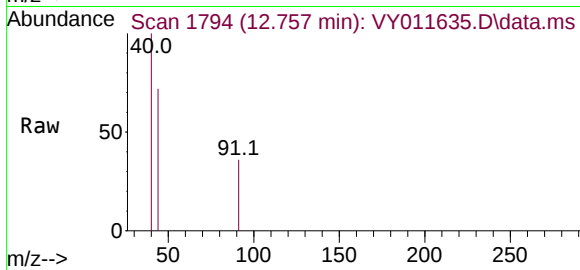




#79
2-Chlorotoluene
Concen: 1.083 ug/l
RT: 12.757 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

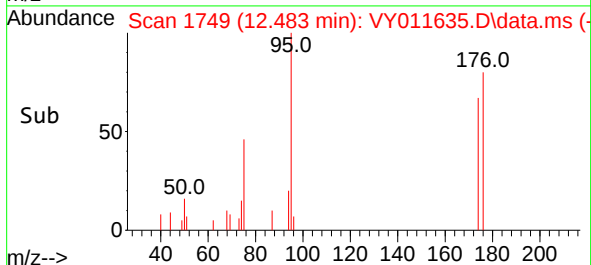
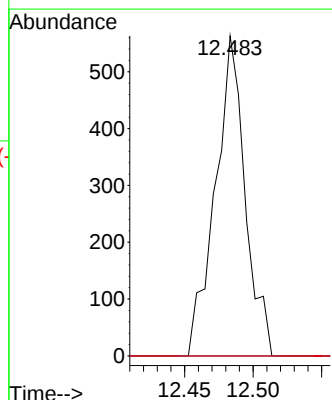
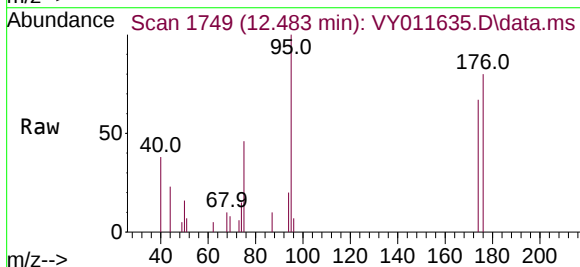
Instrument :
MSVOA_Y
ClientSampleId :
SP-1RE

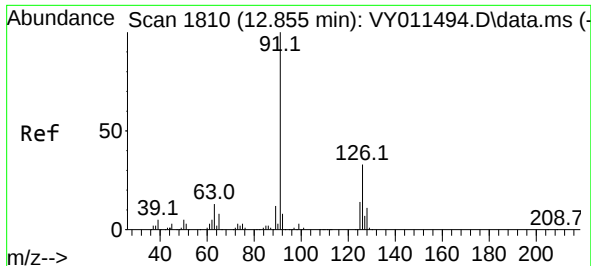
Tgt Ion: 91 Resp: 80
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.101 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

Tgt Ion: 75 Resp: 855
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

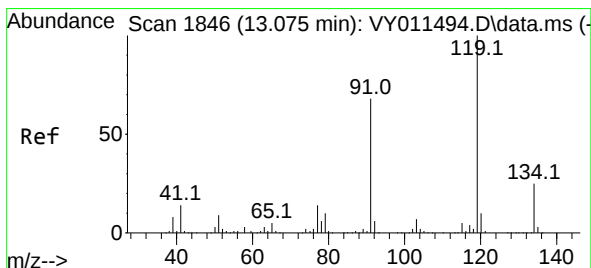
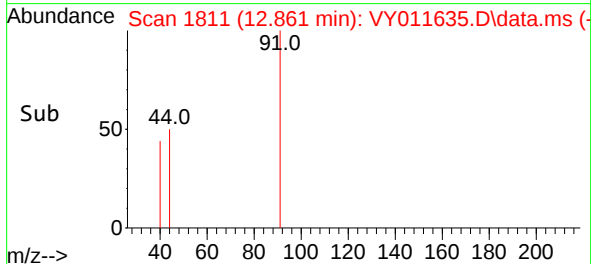
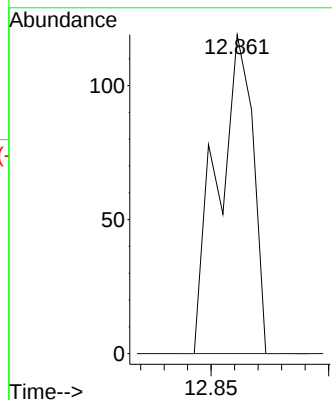
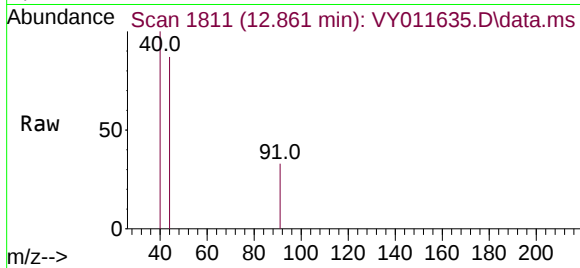




#82
4-Chlorotoluene
Concen: 1.606 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

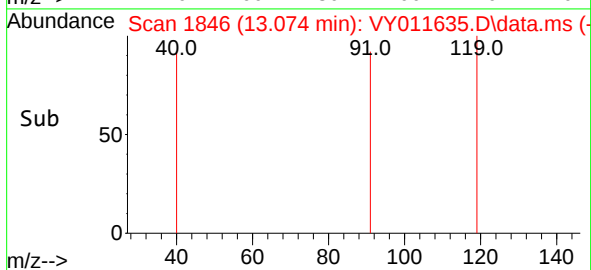
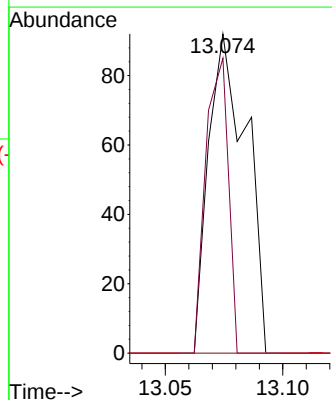
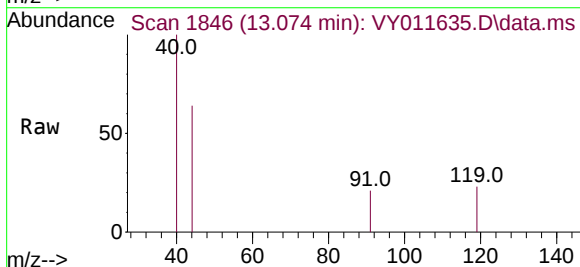
Instrument :
MSVOA_Y
ClientSampleId :
SP-1RE

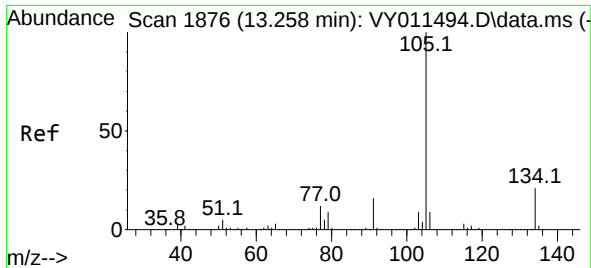
Tgt Ion: 91 Resp: 124
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#



#83
tert-Butylbenzene
Concen: 1.306 ug/l
RT: 13.074 min Scan# 1846
Delta R.T. -0.001 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

Tgt Ion: 119 Resp: 103
Ion Ratio Lower Upper
119 100
91 55.3 34.8 104.4
134 0.0 13.3 39.9#

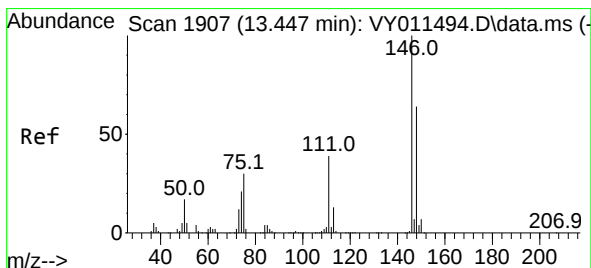
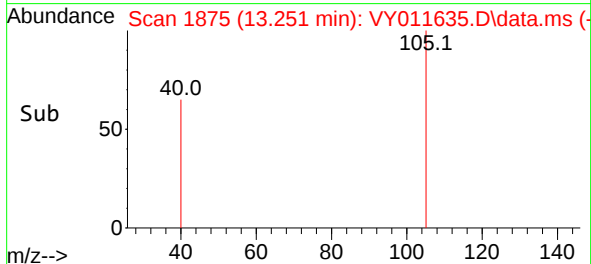
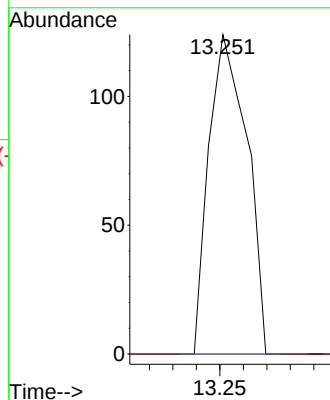
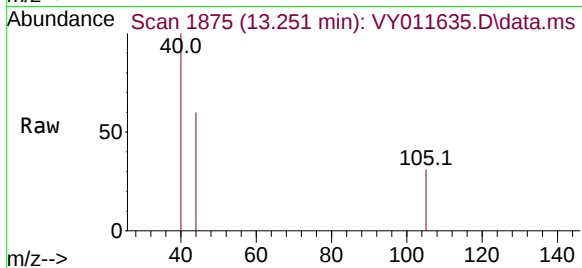




#85
 sec-Butylbenzene
 Concen: 1.190 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. -0.007 min
 Lab File: VY011635.D
 Acq: 30 Nov 2022 12:55

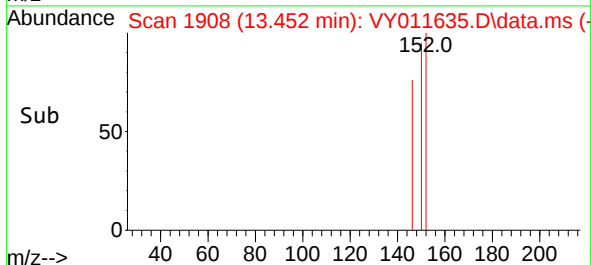
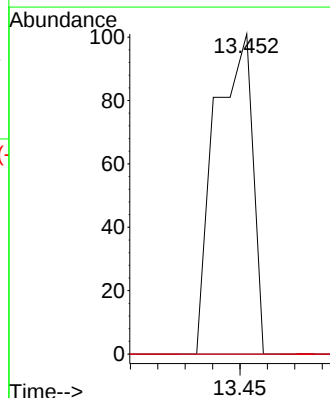
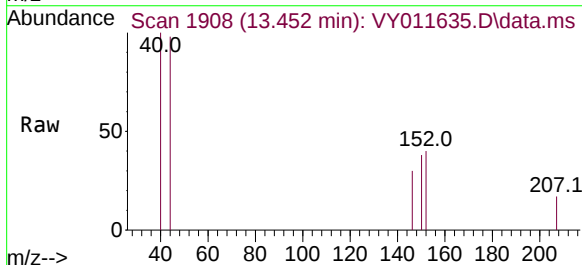
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1RE

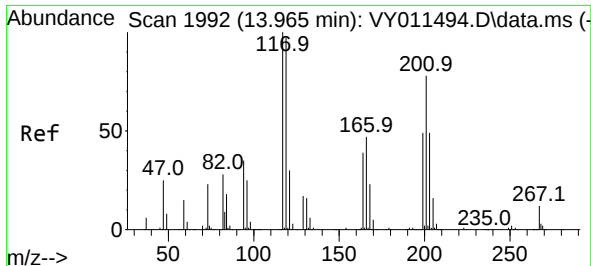
Tgt Ion:105 Resp: 140
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#88
 1,4-Dichlorobenzene
 Concen: 1.881 ug/l
 RT: 13.452 min Scan# 1908
 Delta R.T. 0.005 min
 Lab File: VY011635.D
 Acq: 30 Nov 2022 12:55

Tgt Ion:146 Resp: 96
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.3 57.8#
 148 0.0 32.6 97.8#

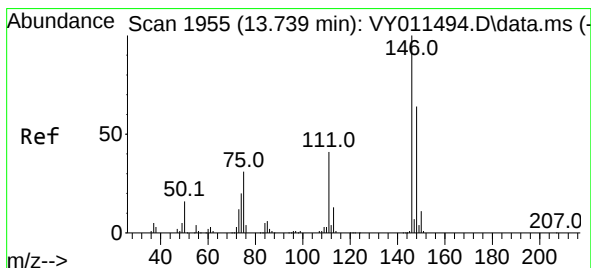
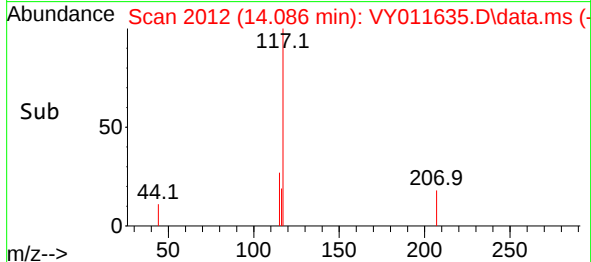
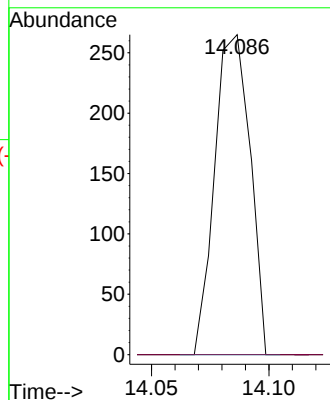
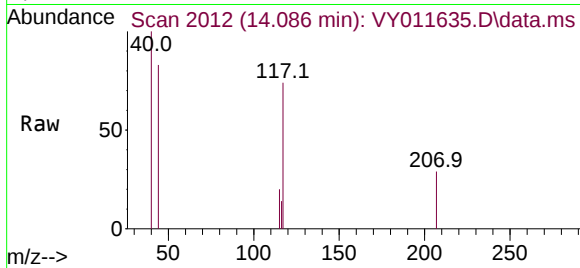




#90
Hexachloroethane
Concen: 14.020 ug/l
RT: 14.086 min Scan# 2012
Delta R.T. 0.121 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

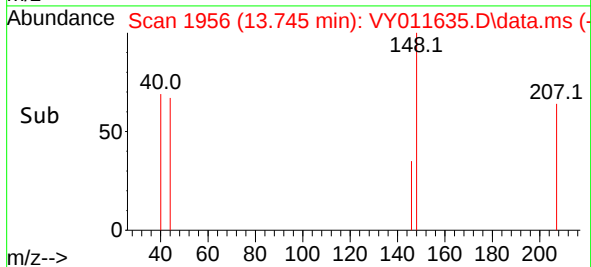
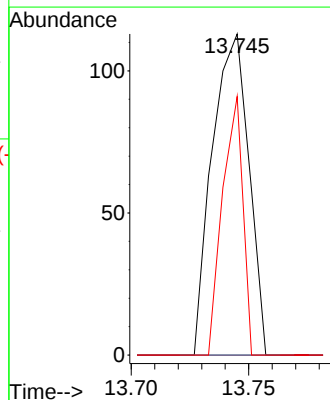
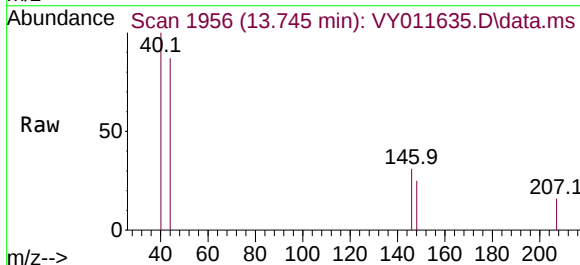
Instrument :
MSVOA_Y
ClientSampleId :
SP-1RE

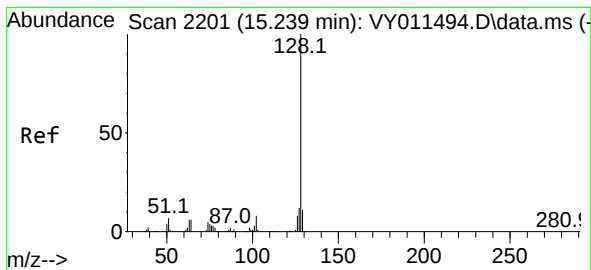
Tgt Ion:117 Resp: 278
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#91
1,2-Dichlorobenzene
Concen: 2.696 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

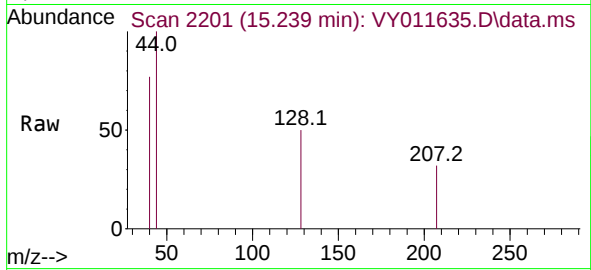
Tgt Ion:146 Resp: 122
Ion Ratio Lower Upper
146 100
111 0.0 20.3 60.9#
148 45.1 32.3 96.9





#95
Naphthalene
Concen: 10.434 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY011635.D
Acq: 30 Nov 2022 12:55

Instrument :
MSVOA_Y
ClientSampleId :
SP-1RE



Tgt Ion:128 Resp: 367
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

